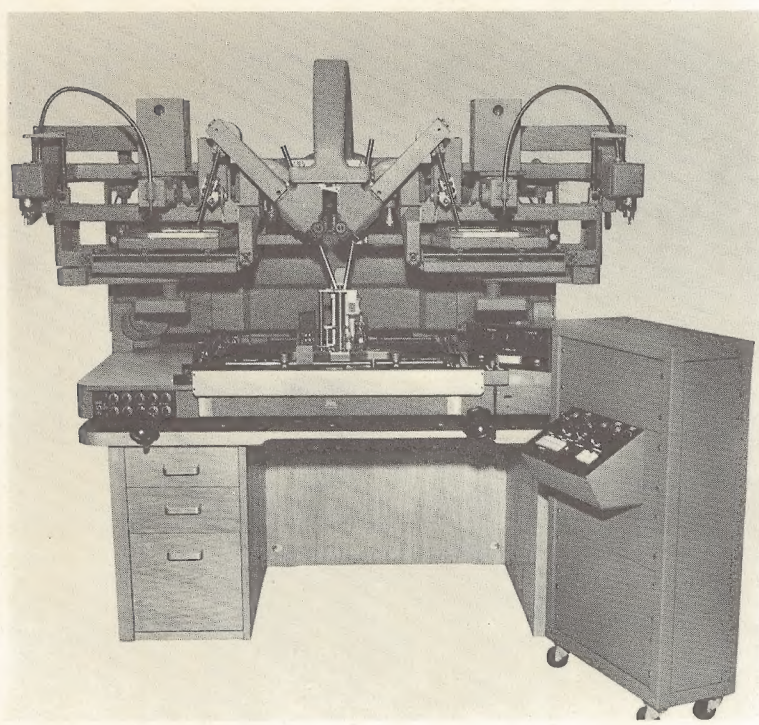
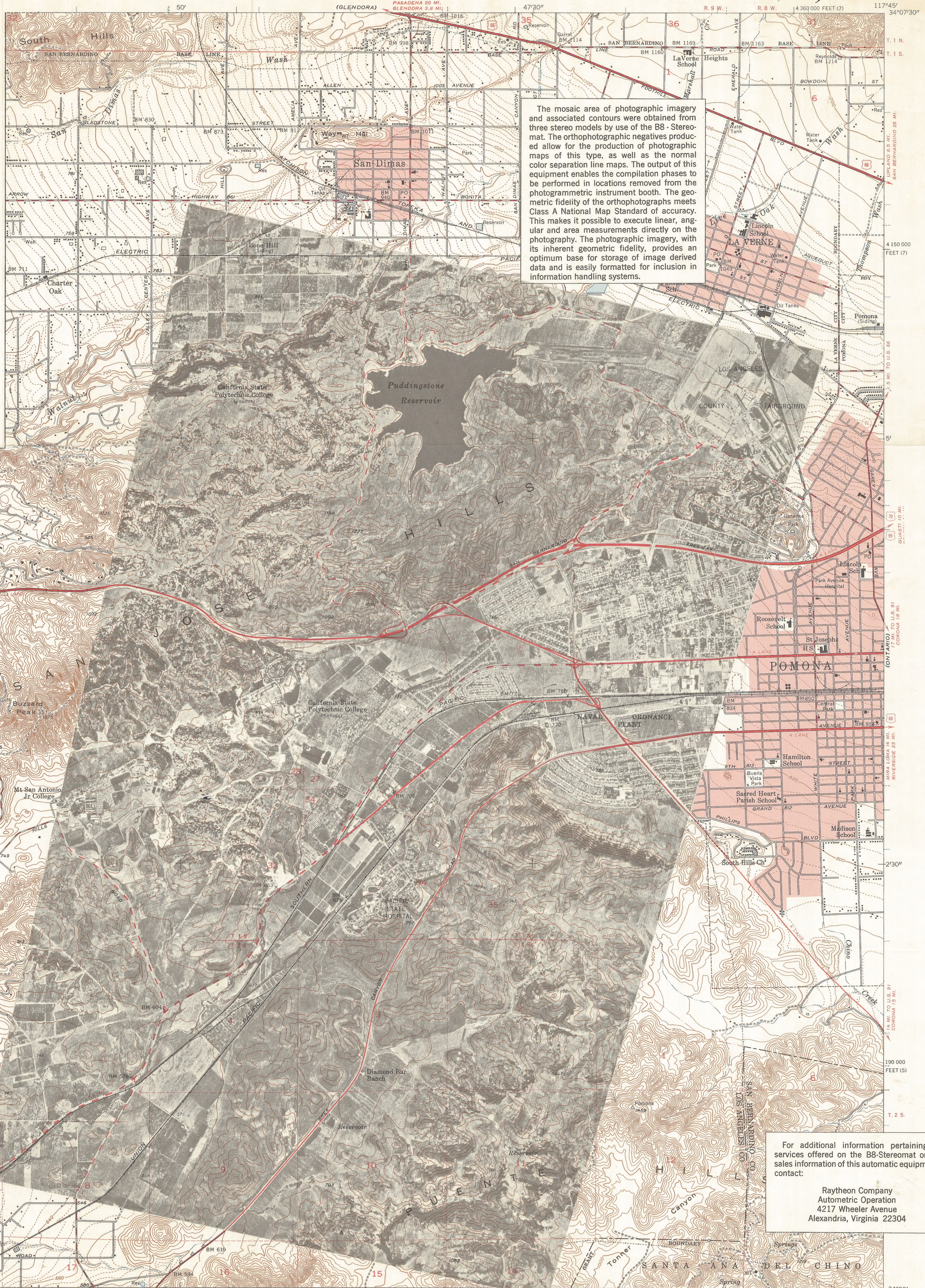


Autometric operation  
ORTHOPHOTO MAP  
ByB8-STEREOMAT AUTOMATIC  
MAPPING EQUIPMENT

The introduction of automatic mapping equipment, by the Raytheon Company and Wild Heerbrugg, Ltd. of Switzerland, known as B8-Stereomat, now makes it possible to produce, automatically, orthophotographs at the impressive speed of 2 to 2½ hours. Furthermore, with the B8-Stereomat, it is possible to produce, automatically, a contour record from the overlapped portion of a stereo pair of aerial photographs and to record, automatically, X, Y and Z coordinates of the stereo model.

LOS ANGELES COUNTY  
BOARD OF SUPERVISORSSAN DIMAS QUADRANGLE  
CALIFORNIA  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
SE/4 POMONA 15' QUADRANGLE

(MT BALDY)



The mosaic area of photographic imagery and associated contours were obtained from three stereo models by use of the B8-Stereomat. The orthophotographic negatives produced allow for the production of photographic maps of this type, as well as the normal color separation line maps. The output of this equipment enables the compilation phases to be performed in locations removed from the photogrammetric instrument booth. The geometric fidelity of the orthophotographs meets Class A National Map Standard of accuracy. This makes it possible to execute linear, angular and area measurements directly on the photography. The photographic imagery, with its inherent geometric fidelity, provides an optimum base for storage of image derived data and is easily formatted for inclusion in information handling systems.

For additional information pertaining to services offered on the B8-Stereomat or for sales information of this automatic equipment, contact:

Raytheon Company  
Automatic Operation  
4217 Wheeler Avenue  
Alexandria, Virginia 22304

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&amp;GS, and Los Angeles Co.

Topography from aerial photographs by multiplex methods and by planetable surveys 1925 and 1953  
Aerial photographs taken 1952. Field check 1954Polyconic projection. 1927 North American datum  
10,000-foot grids based on California coordinate system, zones 5 and 7

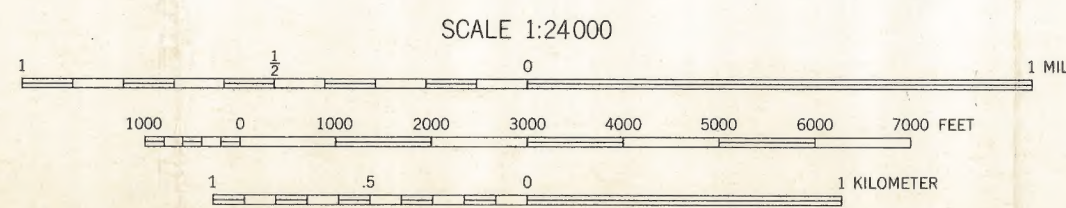
Red tint indicates areas in which only landmark buildings are shown

Dashed land lines indicates approximate locations

Blue hatching area subject to controlled inundation.

1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue

TRUE NORTH  
MAGNETIC NORTH  
APPROXIMATE MEAN DECLINATION, 1954



SCALE 1:24,000

1 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 0 .5 1 KILOMETER

CONTOUR INTERVAL 20 FEET

DASHED LINES REPRESENTS 5 FOOT CONTOURS

DATUM IS MEAN SEA LEVEL

Contour Interval Within photographic image - 50 feet

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.

A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

Heavy-duty Light-duty

Medium-duty Unimproved dirt

U.S. Route State Route



QUADRANGLE LOCATION

from the  
J. J. Klawe Collection  
204

SAN DIMAS, CALIF.  
SE/4 POMONA 15' QUADRANGLE  
N3400-W11745/7.5

1954